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JPW-2681  
PATENT  
450100-03367

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Shinobu IZUMI  
Serial No.: 09/932,906  
Filed: August 20, 2001  
For: WIRELESS COMMUNICATION APPARATUS  
Art Unit: 2681

745 Fifth Avenue  
New York, NY 10151

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 10, 2004.

Bruno Polito, Reg. No. 38,580

\_\_\_\_\_  
Name of Applicant, Assignee or Registered Representative

  
\_\_\_\_\_  
Signature

November 10, 2004

\_\_\_\_\_  
Date of Signature

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure set forth in 37 C.F.R. 1.56, applicant is filing this Information Disclosure Statement drawing the Examiner's attention to co-pending applications Serial No. 09/906,922 filed July 16, 2001, Serial No. 09/911,186, filed July 23, 2001, Serial No. 09/907,066 filed July 17, 2001, Serial No. 09/955,339 filed September 17, 2001, Serial No. 09/969,916 filed October 2, 2001, Serial No. 09/965,873 filed September 28, 2001 and Serial No. 09/907,124 now Patent No. 6,498,591. Enclosed is form PTO-1449 along


with copies of the prior art therein identified. So far as applicant are aware, this Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits.

The filing of this Information Disclosure Statement is not an admission that the documents identified herein constitute prior art to the present application.

Please charge any fees incurred by the filing of this document or credit any overpayment to Deposit Account No. 50-0320.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP  
Attorneys for Applicant

By:   
Bruno Polito  
Reg. No. 38,580  
Tel. (212) 588-0800



Sheet 1 of 2

Based on Form PTO-1449 (3/90)  LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 450100-03367	SERIAL NO. 09/932,906
	APPLICANT Shinobu IZUMI	
	FILING DATE August 20, 2001	GROUP 2681

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5 933 141	08/03/99	Smith			
	AB	6 417 869	07/09/02	Do			
	AC	5 949 432	09/07/99	Gough et al.			
	AD	5 896 131	04/20/99	Alexander			
	AE	6 670 970	12/30/03	Bonura et al.			
	AF	6 097 441	08/01/00	Allport			
	AG	6 263 503	07/17/01	Margulis			
	AH	6 396 523	05/28/02	Segal et al.			
	AI	6 469 633	10/22/02	Wachter			
	AJ	5 410 326	04/25/95	Goldstein			
	AK	6 028 600	02/22/00	Rosin et al.			
	AL	6 037 998	03/14/00	Usui et al.			
	AM	5 467 341	11/14/95	Matsukane et al.			
	AN	5 917 810	06/29/99	De Bot			
	AO	5 410 343	04/25/95	Coddington et al.			
	AP	5 920 701	07/06/99	Miller et al.			
	AQ	6 012 088	01/04/00	Li et al.			
	AR	5 862 339	01/19/99	Bonnaure et al.			

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AS	WO 99 34599	07/08/99	PCT			
	AT	EP 0 838 945	04/29/98	Europe			
	AU	EP 1 001 627	05/17/00	Europe			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER	DATE CONSIDERED
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

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	AA						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AB	EP 0 617 556	09/28/94	Europe			
	AC	EP 0 967 797	12/29/99	Europe			
	AD	GB 2 343 334	05/03/00	U.K.			
	AE	CN 1249644	04/05/00	China			Abstract
	AF	EP 0 942 572	09/15/99	Europe			
	AG	EP 0 537 814	04/21/93	Europe			
	AH	WO 95 34168	12/14/95	PCT			
	AI	EP 0 848 560	06/17/98	Europe			
	AJ	WO 98 59282	12/30/98	PCT			
	AK	WO 01 35585	05/17/01	PCT			
	AL	EP 0 793 170	09/03/97	Europe			
	AM	WO 00 14919	03/16/00	PCT			

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	AN	VAZQUEZ-CORTIZO D ET AL: "FS-aloha, a collision resolution algorithm with Qos support for the contention channel in multiservices wireless Lan" GLOBAL TELECOMMUNICATIONS CONFERENCE (GLOBECOM 99), vol. 5, 5 December 1999 (1999-12-05), pages 2773-2777, XP010373453
	AO	"WIRELESS MEDIUM ACCESS CONTROL (MAC) AND PHYSICAL (PHY) SPECIFICATIONS" IEEE STANDARD 802.11-1997, XX, XX, 1997, pages 71-99, XP002927753
	AP	GANG WU ET AL: "WINMAC: a novel transmission protocol for infostations" VEHICULAR TECHNOLOGY CONFERENCE, 1999 IEEE 49 <sup>TH</sup> HOUSTON, TX, USA 16-20 MAY 1999, PISCATAWAY, NJ, USA, IEEE, US, 16 May 1999 (1999-05-16), pages 1340-1344, XP010342188, ISBN: 0-7803-5565-2
	AQ	TRUMAN T ET AL: "THE INFOPAD MULTIMEDIA TERMINAL: A PORTABLE DEVICE FOR WIRELESS INFORMATION ACCESS" IEEE TRANSACTIONS ON COMPUTERS, IEEE INC. NEW YORK, US, vol. 47, no. 10, 1 October 1998 (1998-10-01), pages 1073-1087, XP000781992
	AR	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14, 31 December 1998 (1998-12-31) & JP 10 257401 A (ACCESS:KK) 25 September 1998 (1998-09-25)

EXAMINER	DATE CONSIDERED
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November 10, 2004

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Re: U.S. Patent Application  
Serial No. 09/932,906  
Sony Ref.: S01P0997US00  
Our Ref.: 450100-03367

Dear Mr. Nakamura:

Enclosed is a copy of the Information Disclosure Statement that has been filed on the above application in accordance with co-pending applications Serial No. 09/906,922 filed July 16, 2001, Serial No. 09/911,186, filed July 23, 2001, Serial No. 09/907,066 filed July 17, 2001, Serial No. 09/955,339 filed September 17, 2001, Serial No. 09/969,916 filed October 2, 2001, Serial No. 09/965,873 filed September 28, 2001 and Serial No. 09/907,124 now Patent No. 6,498,591.

We shall, of course, advise you as soon as any action is received in this case.

Sincerely,

Bruno Polito

Enclosure